1. What kinds of things within the Universe are effected by/exhibit gravity?

2. What did Galileo discover about falling objects?

3. Why does the tennis ball appear to float during the “Super Man” roller coaster scene?

4. How fast does an object need to be moving in order to be in orbit around Earth?

5. What does it mean for something to be in orbit?

6. How long would it take you to get anywhere on Earth using the straight-line gravity tunnel method?

7. How did Albert Einstein view gravity? (what was his definition)

8. If you wanted to totally escape from Earth’s gravity, how fast would you need to be traveling?

9. What are the harmful effects of spending extended periods of time in a “Zero-G” environment?

10. The more mass something has, the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ gravity it has.

11. What kinds of things in the Universe can create gravity waves?

12. Gravity depends on what two things?

13. Write a short paragraph explaining why, in your opinion, learning about gravity is important for humanity. Why should we bother to understand gravity?